

**ABSTRACT OF THE DISCLOSURE****END NODE PARTITIONING USING LMC FOR A SYSTEM AREA NETWORK**

A method for routing System Area Network (SAN) packets to multiple partitions within a single end node is provided. A range of Local Identification addresses (LIDs) are assigned to a channel adapter port within the SAN. Lower order bits within the LID are then assigned to select the particular partition in the end node. The Local ID Mask Control (LMC) field is used to assign multiple LIDs to a single port, using those low order bits to then route the message to the appropriate partition in the end node.